

**CLAIM AMENDMENTS**

*Please amend the claims as follows:*

- 1           1. *(currently amended)* A structural reflective insulating material comprising:  
2                   a first outer layer of metal reflective foil;  
3                   an adhesive binding coating material on an inner side of said first outer  
4 layer of reflective foil;  
5                   at least a first layer of foam material secured to said first layer of said  
6 reflective foil;  
7                   at least one layer of wire mesh material sandwiched between at least  
8 said first layer of foam material and at least a second layer of foam material;  
9                   at least a second layer of foam material;  
10                  a coating or adhesive binding material between at least a second layer  
11 of foam material and at least a second inner layer of reflective foil; and  
12                  at least a second layer of reflective foil bound to at least a second layer  
13 of foam material by the adhesive binding material;  
14                  wherein the structural reflective insulating material is ~~pliable so it is~~  
15 capable of being formed into ducts and other structural items.

- 1           2. *(original)* The structural reflective insulating material of claim 1 wherein at  
2 least one of said first outer and second inner layers of reflective foil is aluminum.

- 1           10 3. *(original)* The structural reflective insulating material of claim 1 wherein at  
2 least one of the first and second layers of foam material comprise polyethylene foam.

R&amp;A Page 2 of 10

OK to enter,  
HV  
10/27/03

1 3 ~~A.~~(original) The structural reflective insulating material of claim 2 wherein at  
2 least one of the first and second layers of foam material comprise polyethylene foam.

1 14 ~~S.~~(original) The structural reflective insulating material of claim 1 wherein the  
2 coating of adhesive binding material is polyurethane.

1 7 ~~S.~~(original) The structural reflective insulating material of claim 2 wherein the  
2 coating of adhesive binding material is polyurethane.

1 11 ~~A.~~(original) The structural reflective insulating material of claim 3 wherein the  
2 coating of adhesive binding material is polyurethane.

1 4 ~~S.~~(original) The structural reflective insulating material of claim 4 wherein the  
2 coating of adhesive binding material is polyurethane.

1 16 ~~S.~~(currently amended) The structural reflective insulating material of claim  
2 1 wherein the mesh material is one from a group consisting and of aluminum or and  
3 galvanized steel.

1 9 ~~10.~~(previously presented) The structural reflective insulating material of  
2 claim 2 wherein the mesh material is one from a group consisting of aluminum and  
3 galvanized steel.

12  
1 ~~11.~~<sup>10</sup>(previously presented) The structural reflective insulating material of  
2 claim ~~3~~<sup>10</sup> wherein the mesh material is one from a group consisting of aluminum and  
3 galvanized steel.

5  
1 ~~12.~~<sup>3</sup>(previously presented) The structural reflective insulating material of  
2 claim ~~4~~<sup>3</sup> wherein the mesh material is one from a group consisting of aluminum and  
3 galvanized steel.

15  
1 ~~13.~~<sup>14</sup>(previously presented) The structural reflective insulating material of  
2 claim ~~5~~<sup>14</sup> wherein the mesh material is one from a group consisting of aluminum and  
3 galvanized steel.

8  
1 ~~14.~~<sup>7</sup>(previously presented) The structural reflective insulating material of  
2 claim ~~6~~<sup>7</sup> wherein the mesh material is one from a group consisting of aluminum and  
3 galvanized steel.

13  
1 ~~15.~~<sup>11</sup>(previously presented) The structural reflective insulating material of  
2 claim ~~7~~<sup>11</sup> wherein the mesh material is one from a group consisting of aluminum and  
3 galvanized steel.

6  
1 ~~16.~~<sup>4</sup>(previously presented) The structural reflective insulating material of  
2 claim ~~8~~<sup>4</sup> wherein the mesh material is one from a group consisting of aluminum and  
3 galvanized steel.

1           17.(*withdrawn*)   A method of manufacturing a pliable structural reflective  
2   insulating material capable of being formed into ducts and other structural items  
3   comprising the steps of:  
4           coating a first layer of reflective foil on one side with an adhesive  
5   binding material;  
6           placing a first layer of foam material against the coating;  
7           laying a mesh material on the first layer of foam material;  
8           placing a second layer of foam material over the mesh material;  
9           coating a second layer of reflective foil on one side with an  
10   adhesive binding material;  
11           placing the second layer of reflective foil with the side coated  
12   with an adhesive binding material against the second layer of foam  
13   material; and  
14           running the material through a heat press to bind all layers of  
15   material together to form an integral structural reflective insulating  
16   material.

1        18.(*withdrawn*)    A method of making an air duct from a pliable structural  
2    reflective insulating material capable of being formed into ducts and other structural  
3    items comprised of a first outer layer of reflective foil; an adhesive binding coating  
4    material on an inner side of said first outer layer of reflective foil; at least a first layer  
5    of foam material secured to said first layer of said reflective foil; at least one layer of  
6    mesh material sandwiched between at least said first layer of foam material and at  
7    least a second layer of foam material; at least a second layer of foam material; a  
8    coating or adhesive binding material between the at least a second layer of foam  
9    material and the at least a second inner layer of reflective foil; and the at least a  
10   second inner layer of reflective foil, comprising the steps of;

11                folding a piece of the structural reflective insulating material as  
12                many times as necessary so that ends of the piece form a channel; and  
13                securing the ends together by securing means to form a desired  
14                configuration.

1        19.(*withdrawn*)    The method of forming the air duct in claim 18 wherein the  
2    securing means consists of metallic tape.

1        20.(*withdrawn*)    The method of forming the air duct in claim 18 wherein the  
2    desired configuration is substantially rectangular.

1        21.(*withdrawn*)    The method of forming the air duct in claim 18 wherein the  
2    desired configuration is substantially circular.

- 1       22.*(withdrawn)* The method of forming the air duct of claim 21 wherein the
- 2       securing means further comprises an inward curved hook on one end of the material
- 3       and an outward curved hook on a second end, said curved hooks being interconnected
- 4       to lock the duct in the substantially circular configuration.